

## **ABSTRACT**

A laboratory centrifuge with a rotor driven by a centrifuge electric motor and a cooling unit driven by an electrical cooling motor, wherein the centrifuge motor is formed as a frequency-controlled induction motor fed from a frequency converter controlled by a control unit and having a centrifuge inverted rectifier that feeds the centrifuge motor and is connected to a d.c. source fed from a mains power rectifier, characterized in that the cooling motor is formed as a frequency-controlled induction motor, and that the frequency converter has a further cooling inverted rectifier connected to the d.c. source parallel to the centrifuge inverted rectifier for feeding the cooling motor.